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**From:** Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]  
**Sent:** 6/14/2017 12:12:14 PM  
**To:** Post, Gloria [Gloria.Post@dep.nj.gov]; Maddaloni, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b49225c65f43422ea68433b7058af1c0-Maddaloni, Mark]; Lindstrom, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04bf7cf26aa44ce29763fbc1c1b2338e-Lindstrom, Andrew]  
**Subject:** RE: NC DHHS GenX drinking water guidance value.

This is not my forte, however it already seems that NC DHHS is dismissing this as a non-issue.

I have no idea what studies were considered. Happy to chat next week.

Mark

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**From:** Post, Gloria [mailto:Gloria.Post@dep.nj.gov]  
**Sent:** Wednesday, June 14, 2017 8:04 AM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>; Maddaloni, Mark <Maddaloni.Mark@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>  
**Subject:** Re: NC DHHS GenX drinking water guidance value.

I have not seen the derivation but the NOEL reported in the study is 1 mg/kg/day. The Derived NOEL is a European term for Reference Dose. It appears that they applied a total Uncertainty Factor of 100 to get a DERIVED NOEL of 0.01 mg/kg/day.

Applying standard exposure assumptions of 70 kg body weight, 2 L per day water consumption  
And 20% relative Source Contribution factor gives 70 ug/L 70,000 ng/L

There are other data and considerations from the GenX toxicology data that NC DHHS may not have considered.

I am at the Boston conference. Can we discuss next week?

Gloria B. Post, Ph.D., DABT  
Research Scientist

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**From:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Sent:** Wednesday, June 14, 2017 7:25:23 AM  
**To:** Maddaloni, Mark; Lindstrom, Andrew

**Cc:** Post, Gloria

**Subject:** RE: NC DHHS GenX drinking water guidance value.

Do any of you believe this posed value? The story says based on a rat study the NOEL would be about 70,000 ng/L.

Mark

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**From:** Maddaloni, Mark

**Sent:** Tuesday, June 13, 2017 3:59 PM

**To:** Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)>; Lindstrom, Andrew <[Lindstrom.Andrew@epa.gov](mailto:Lindstrom.Andrew@epa.gov)>

**Subject:** FW: NC DHHS GenX drinking water guidance value.

fyi

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**From:** Post, Gloria [<mailto:Gloria.Post@dep.nj.gov>]

**Sent:** Tuesday, June 13, 2017 3:56 PM

**To:** Maddaloni, Mark <[Maddaloni.Mark@epa.gov](mailto:Maddaloni.Mark@epa.gov)>

**Subject:** NC DHHS GenX drinking water guidance value.

70 ppb. Their statement is linked from the news story

<http://www.wwaytv3.com/2017/06/13/genx-water-cape-fear-river/>

Gloria B. Post, Ph.D., DABT

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